

**United States Department of Commerce  
National Institute of Standards and Technology**

~ Certificate of Measurement Traceability ~  
for

**Maryland**

**a participant in the NIST Weights and Measures  
Measurement Assurance Program for the Year(s)**

**2006-2007**

**The State standards are traceable to NIST and the laboratory  
has demonstrated\* measurement proficiency through training  
and interlaboratory comparisons.**



*Georgia L. Harris,  
for the National Institute of Standards and Technology*

Laboratory Metrology, Group Leader, Weights and Measures Division  
*Title*

December 29, 2005  
*Effective Date*



**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon I

1 kg - 1 mg

Echelon II

30 kg - 1 mg

1000 lb - 500 lb

Echelon III

1 kg - 1 mg

30 kg - 1 mg

10 000 lb - 0.001 lb

4 oz - 0.03125 oz

**Volume**

Gravimetric

5 gal - 2 fl oz

Volume transfer

1800 gal - 5 gal

**Length**

Steel tapes

100 ft - 1 ft

Rigid rules

48 in - 1 in

**Grain Moisture**

21 % - 13 %